

A Comprehensive Recap of the 4th International Workshop Braincomp 2019 in Cetraro, Italy

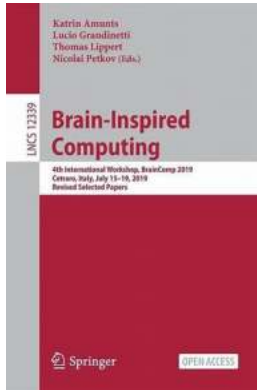
Are you fascinated by the wonders of the human brain and its computational abilities? Do you have an insatiable curiosity to learn about the latest advancements in the field of brain-inspired computing? If so, then the 4th International Workshop Braincomp 2019 in Cetraro, Italy, held from July 15th to 19th, 2019, was the place to be. In this article, we will take you on an exhilarating journey through the various highlights of this groundbreaking event.

Day 1: Opening Ceremony and Keynote Addresses

The conference kicked off on a bright Monday morning with an inspiring opening ceremony. Esteemed researchers, industry leaders, and enthusiasts from all over the world gathered at the stunning venue in Cetraro to witness this grand gathering of intellects. The event was inaugurated by Dr. Elena De Momi, the Chair of Braincomp 2019, who welcomed everyone and stressed the importance of collaboration and knowledge exchange in advancing the field of brain-inspired computing.

Following the opening ceremony, the attendees were treated to a series of captivating keynote addresses by world-renowned experts in the field. The speakers shed light on the latest breakthroughs, challenges, and future directions of brain-inspired computing. Their talks were filled with fascinating insights and left the audience eagerly anticipating the upcoming sessions.

Brain-Inspired Computing: 4th International Workshop, BrainComp 2019, Cetraro, Italy, July



15–19, 2019, Revised Selected Papers (Lecture Notes in Computer Science Book 12339)

by Karin Müller (Kindle Edition)

★★★★☆ 4.7 out of 5

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Enhanced typesetting : Enabled

Print length : 167 pages

Screen Reader : Supported



Days 2 and 3: Invigorating Workshops and Interactive Sessions

The second and third days of Braincomp 2019 were dedicated to a plethora of invigorating workshops and interactive sessions. Participants had the opportunity to immerse themselves in a multitude of topics such as neurorobotics, neural networks, cognitive architectures, and neuromorphic computing. These sessions were designed to encourage lively discussions, foster collaborations, and spark new ideas among the attendees.

One of the most highly anticipated workshops was on "Brain-Inspired Algorithms for Robotic Perception and Control." Renowned scientists presented their pioneering research, exploring how brain-inspired algorithms can revolutionize the field of robotics. The attendees were captivated by the discussions on perception, cognition, and motor control in robotic systems.

Additionally, a panel discussion on "Ethical Challenges in Brain-Inspired Computing" sparked intense debates, with experts delving into the ethical implications of developing brain-inspired technologies. The conversation covered

topics such as privacy, data security, and the responsible use of artificial intelligence.

Day 4: Poster Sessions and Demos

The fourth day of the workshop was dedicated to poster sessions and demos, providing an interactive platform for researchers to showcase and discuss their latest findings. Attendees had the opportunity to interact directly with the researchers, ask questions, and learn about cutting-edge technologies in the field.

The poster sessions covered a wide range of fascinating topics, including neural networks for image recognition, brain-computer interfaces, and computational models of learning and memory. The demos, on the other hand, showcased innovative applications of brain-inspired computing, such as neurorehabilitation systems and brain-controlled robots.

Day 5: Closing Ceremony and Awards

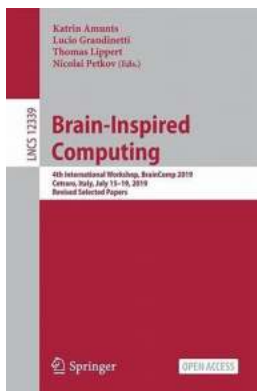
The final day of Braincomp 2019 was a bittersweet affair, as it marked the end of an incredible journey. The closing ceremony, led by Dr. Elena De Momi, celebrated the remarkable achievements of the workshop and highlighted the collaborations and partnerships that were forged during the event.

During the closing ceremony, several individuals were honored with prestigious awards for their outstanding contributions to the field. The "Best Paper Award" was presented to a groundbreaking research paper that proposed a novel brain-inspired algorithm for speech recognition. The "Young Researcher Award" recognized a promising young scientist who demonstrated exceptional potential in the field of brain-inspired computing.

: A Glimpse into the Future of Brain-Inspired Computing

The 4th International Workshop Braincomp 2019 in Cetraro, Italy, was undoubtedly an exhilarating event that brought together the brightest minds in the field of brain-inspired computing. The workshop provided a platform for researchers, academicians, and industry professionals to exchange ideas, share knowledge, and collaborate on advancing the frontiers of this exciting field.

With each passing year, Braincomp continues to evolve and push the boundaries of what is possible in brain-inspired computing. As we look forward to the next edition, we can only imagine the groundbreaking discoveries and innovations that will shape the future of this emerging field.



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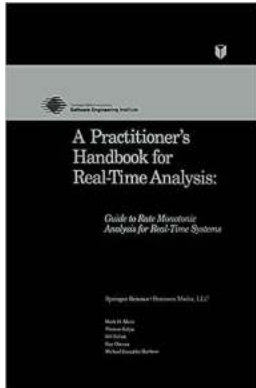
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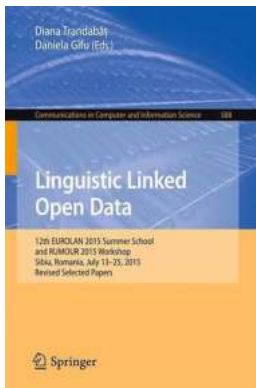
This open access book constitutes revised selected papers from the 4th International Workshop on Brain-Inspired Computing, BrainComp 2019, held in Cetraro, Italy, in July 2019.

The 11 papers presented in this volume were carefully reviewed and selected for inclusion in this book. They deal with research on brain atlasing, multi-scale models and simulation, HPC and data infra-structures for neuroscience as well as artificial and natural neural architectures.



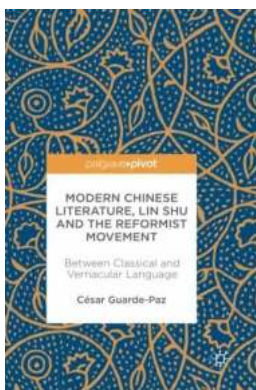
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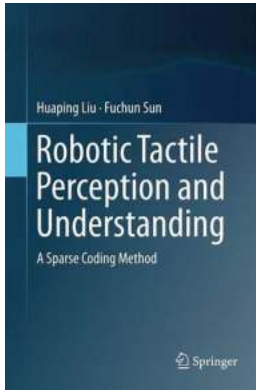
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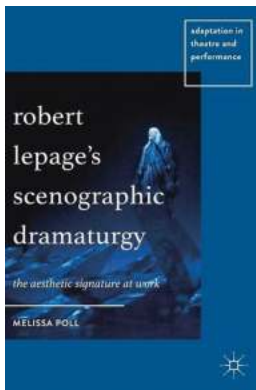
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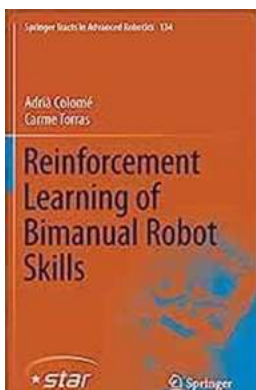
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